

(12) United States Patent

Cook et al.

US 9,440,742 B2 (10) Patent No.:

(45) Date of Patent: Sep. 13, 2016

(54) AIRCRAFT INTERIOR LAVATORY

(71) Applicant: B/E Aerospace, Inc., Wellington, FL

(72) Inventors: **Donald F. Cook**, Arlington, WA (US);

Liberty Harrington, Seattle, WA (US); Philipp Steiner, Seattle, WA (US); Robert K. Brauer, Seattle, WA (US); Trevor Skelly, Mercer Island, WA (US)

Assignee: B/E AEROSPACE, INC., Wellington,

FL (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 15/141,338

(22)Filed: Apr. 28, 2016

(65)**Prior Publication Data**

> US 2016/0236783 A1 Aug. 18, 2016

Related U.S. Application Data

(63) Continuation of application No. 14/709,409, filed on May 11, 2015, which is a continuation of application No. 14/043,500, filed on Oct. 1, 2013, now Pat. No. 9,073,641, which is a continuation of application No.

(Continued)

(51)	Int. Cl.	
	B64D 11/06	(2006.01)
	B64D 11/02	(2006.01)
	B64F 5/00	(2006.01)

(52) U.S. Cl. CPC B64D 11/02 (2013.01); B64D 11/06

(2013.01); **B64F 5/00** (2013.01)

(58) Field of Classification Search

CPC B64D 11/00; B64D 2011/0046; B64D

11/0023; B64D 11/06; B64D 2011/0617; B64D 2011/0665; B64D 11/02; B64D 29/00; B64D 29/02 See application file for complete search history.

References Cited (56)

U.S. PATENT DOCUMENTS

2,650,368 A 9/1953 Evans 2,760,443 A 8/1956 Gobrecht 11/1959 Murphy 2,914,001 A 3,738,497 A 6/1973 Betts et al. (Continued)

FOREIGN PATENT DOCUMENTS

694 22 723 697 25 542 6/2000 DE DE 4/2004 (Continued)

OTHER PUBLICATIONS

International Search Report, Sep. 15, 2011, 8 pages. (Continued)

Primary Examiner — Benjamin P Lee (74) Attorney, Agent, or Firm — Oblon, McClelland, Maier & Neustadt, L.L.P.

(57)ABSTRACT

A lavatory for an aircraft cabin includes a wall having a forward wall portion disposed immediately aft of and substantially conforming to an exterior aft surface of an aircraft cabin structure, such as a passenger seat, that is substantially not flat in a vertical plane. The forward wall portion includes a forward projection over an aft portion of the adjacent passenger seat. The forward wall portion can define a secondary space in the interior lavatory space, which can provide an amenity stowage space, and can include design elements providing visual space.

17 Claims, 1 Drawing Sheet

